

# Apple bison Grass sour 10l

- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **20**
- SRM **4.4**
- Style **Fruit Beer**

## Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **18.9 liter(s)**
- Boil time **30 min**
- Evaporation rate **10 %/h**
- Boil size **21.7 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **11.2 liter(s)**
- Total mash volume **14.4 liter(s)**

## Steps

- Temp **65 C**, Time **60 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **11.2 liter(s)** of strike water to **71.4C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **5 min** at **78C**
- Sparge using **13.7 liter(s)** of **76C** water or to achieve **21.7 liter(s)** of wort

## Fermentables

| Type    | Name                          | Amount         | Yield | EBC |
|---------|-------------------------------|----------------|-------|-----|
| Grain   | Strzegom Pilzneński           | 2 kg (47.6%)   | 80 %  | 4   |
| Grain   | Pszeniczny                    | 0.5 kg (11.9%) | 85 %  | 4   |
| Grain   | Bestmalz Carmel Pils          | 0.2 kg (4.8%)  | 75 %  | 5   |
| Grain   | Melanoiden Malt               | 0.25 kg (6%)   | 80 %  | 39  |
| Adjunct | Koncentrat jabłkowy<br>Purena | 1 kg (23.8%)   | 95 %  | 4   |
| Grain   | Acidulated<br>BESTMALZ        | 0.25 kg (6%)   | 76 %  | 5   |

## Hops

| Use for | Name     | Amount | Time   | Alpha acid |
|---------|----------|--------|--------|------------|
| Boil    | Amarillo | 50 g   | 10 min | 9.5 %      |

## Yeasts

| Name                                | Type | Form | Amount | Laboratory |
|-------------------------------------|------|------|--------|------------|
| Lallemand -<br>WildBrew Philly Sour | Ale  | Dry  | 11 g   | Lallemand  |

## Extras

| Type | Name | Amount | Use for | Time |
|------|------|--------|---------|------|
|------|------|--------|---------|------|

|      |               |     |           |          |
|------|---------------|-----|-----------|----------|
| Herb | Trawa Żubrowa | 4 g | Boil      | 10 min   |
| Herb | Trawa żubrowa | 8 g | Secondary | 7 day(s) |

## Notes

- Koncentrat na 0 min gotowania  
*Jun 5, 2025, 11:39 AM*